THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 438, PART 2

1995 JANUARY 1, Number 1

	Page	Fiche
PICTOR A: A NEW DOUBLE-PEAKED EMISSION-LINE QUASAR *J. W. Sulentic, P. Marziani, T. Zwitter, & M. Calvani*	L1	9-E1
POSSIBLE DETECTION OF A CO EMISSION LINE FROM A QUASAR AT $z = 2.88$ *Toru Yamada, Kentaro Aoki, Akihiko Tomita, Tadafumi Takata, Kouji Ohta, & Michitoshi Yoshida*	L5	9-E9
HOST GALAXY AND ENVIRONMENT OF THE BL LACERTAE OBJECT PKS 0548−322: OBSERVATIONS WITH SUBARCSECOND RESOLUTION *Renato Falomo, Joseph E. Pesce, & Aldo Treves*	L9	9-F2
DEEP GALAXY COUNTS IN THE *K* BAND WITH THE KECK TELESCOPE *S. Djorgovski, B. T. Soifer, M. A. Pahre, J. E. Larkin, J. D. Smith, G. Neugebauer, I. Smail, K. Matthews, D. W. Hogg, R. D. Blandford, J. Cohen, W. Harrison, & J. Nelson*	L13	9-F13
USING TYPE Ia SUPERNOVA LIGHT CURVE SHAPES TO MEASURE THE HUBBLE CONSTANT *Adam G. Riess, William H. Press, & Robert P. Kirshner*	L17	9-G8
GAMMA-RAY LINES FROM THE ORION COMPLEX *Reuven Ramaty, Benzion Kozlovsky, & Richard E. Lingenfelter*	L21	10-A1
THE SOFT GAMMA-RAY SPECTRUM OF A0535+26: DETECTION OF AN ABSORPTION FEATURE AT 110 keV BY OSSE *J. E. Grove, M. S. Strickman, W. N. Johnson, J. D. Kurfess, R. L. Kinzer, C. H. Starr, G. V. Jung, E. Kendziorra, P. Kretschmar, M. Maisack, & R. Staubert*	L25	10-A9
THE FUNDAMENTAL PLANE CORRELATIONS FOR GLOBULAR CLUSTERS *S. Djorgovski*	L29	10-B3
BINARY-BINARY INTERACTIONS AND THE FORMATION OF THE PSR B1620−26 TRIPLE SYSTEM IN M4 *Frederic A. Rasio, Steve McMillan, & Piet Hut*	L33	10-B11
THERMAL EQUILIBRIA OF ACCRETION DISKS *Marek A. Abramowicz, Xingming Chen, Shoji Kato, Jean-Pierre Lasota, & Oded Regev*	L37	10-C5
A THEORY FOR THE INITIAL MASS FUNCTION *Joseph Silk*	L41	10-C13
DISRUPTION OF A HELMET STREAMER BY PHOTOSPHERIC SHEAR *Jon A. Linker & Zoran Mikić*	L45	10-D7
ERRATUM		
On the Mass of the Dark Compact Objects in the Galactic Disk *Ph. Jetzer*	L49	10-E1
INSTRUCTIONS TO AUTHORS OF *LETTERS*, RECENT *LETTERS* ABSTRACTS, AUTHOR AND SUBJECT INDEXES	*Inside Back Cover*	

1995 JANUARY 10, Number 2

	Page	Fiche
KECK OBSERVATIONS OF THE MOST DISTANT GALAXY: 8C 1435+63 AT $z = 4.25$ *Hyron Spinrad, Arjun Dey, & James R. Graham*	L51	19-B1

	Page	Fiche
THE ORIGIN OF N III λ990 AND C III λ977 EMISSION IN AGN NARROW-LINE REGION GAS *J. W. Ferguson, G. J. Ferland, & A. K. Pradhan*	L55	19-B11
OUTBURST OF TeV PHOTONS FROM MARKARIAN 421 *A. D. Kerrick, C. W. Akerlof, S. D. Biller, J. H. Buckley, M. F. Cawley, M. Chantell, V. Connaughton, D. J. Fegan, S. Fennell, J. A. Gaidos, A. M. Hillas, R. C. Lamb, D. A. Lewis, D. I. Meyer, J. McEnery, G. Mohanty, J. Quinn, A. C. Rovero, H. J. Rose, M. S. Schubnell, G. Sembroski, M. Urban, A. A. Watson, T. C. Weekes, M. West, C. Wilson, & J. Zweerink*	L59	19-C4
THE AVERAGE X-RAY/GAMMA-RAY SPECTRA OF SEYFERT GALAXIES FROM *GINGA* AND OSSE AND THE ORIGIN OF THE COSMIC X-RAY BACKGROUND *Andrzej A. Zdziarski, W. Neil Johnson, Chris Done, David Smith, & Kellie McNaron-Brown*	L63	19-C11
THE DISCOVERY OF AN O VII EMISSION LINE IN THE *ASCA* SPECTRUM OF THE SEYFERT GALAXY NGC 3783 *I. M. George, T. J. Turner, & H. Netzer*	L67	19-D4
ROSAT HRI IMAGES OF ABELL 85 AND ABELL 496: EVIDENCE FOR INHOMOGENEITIES IN COOLING FLOWS *Andrea H. Prestwich, Stephen J. Guimond, Christian B. Luginbuhl, & Marshall Joy*	L71	19-D11
MORPHOLOGY OF GALAXY MERGERS AT INTERMEDIATE REDSHIFT *J. Christopher Mihos*	L75	19-E8
THE DETECTION OF MOLECULAR GAS IN THE RING GALAXY ARP 143 *James L. Higdon, Beverly J. Smith, Steven D. Lord, & Richard J. Rand*	L79	19-F7
ON PURPORTED OBSERVATIONS OF PARTIALLY IONIZED GALACTIC COSMIC RAYS *A. J. Tylka, P. R. Boberg, J. H. Adams, Jr., T. Kleis, & R. Beaujean*	L83	19-G1
LITHIUM IN HALO DWARFS: THE UNDOING OF DIFFUSION BY MASS LOSS *Fritz J. Swenson*	L87	19-G8
VERY HIGH ENERGY GAMMA RAYS FROM PSR 1706−44 *T. Kifune, T. Tanimori, S. Ogio, T. Tamura, H. Fujii, M. Fujimoto, T. Hara, N. Hayashida, S. Kabe, F. Kakimoto, Y. Matsubara, Y. Mizumoto, Y. Muraki, T. Suda, M. Teshima, T. Tsukagoshi, Y. Watase, T. Yoshikoshi, P. G. Edwards, J. R. Patterson, M. D. Roberts, G. P. Rowell, & G. J. Thornton*	L91	20-A1
THE SOFT X-RAY TURNOFF OF NOVA MUSCAE 1983 *L. Shanley, H. Ogelman, J. S. Gallagher, M. Orio, & J. Krautter*	L95	20-A8
A POTENTIAL CYCLOTRON LINE SIGNATURE IN LOW-LUMINOSITY X-RAY SOURCES *Robert W. Nelson, John C. L. Wang, E. E. Salpeter, & Ira Wasserman*	L99	20-B1
DOPPLER TOMOGRAPHY OF THE GAS STREAM IN SHORT-PERIOD ALGOL BINARIES *Mercedes T. Richards, Geary E. Albright, & Larissa M. Bowles*	L103	20-B8
MULTIPLE STAR FORMATION IN BOK GLOBULE CB 34 *João F. Alves & João L. Yun*	L107	20-C1
^{26}Al AND CIRCUMSTELLAR ENVELOPES *A. E. Glassgold*	L111	20-C9
NEW CALCULATIONS OF Fe *L*-SHELL X-RAY SPECTRA IN HIGH-TEMPERATURE PLASMAS *Duane A. Liedahl, Albert L. Osterheld, & William H. Goldstein*	L115	20-D2
INSTRUCTIONS TO AUTHORS OF *LETTERS*, RECENT *LETTERS* ABSTRACTS, AUTHOR AND SUBJECT INDEXES	*Inside Back Cover*	
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION	*Back Cover*	